

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061422\
 Data File : BF128809.D
 Acq On : 14 Jun 2022 19:44
 Operator : CG\JU
 Sample : N3336-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
ClientSampleId :
 HD-02-061322

Manual Integrations
APPROVED
 Reviewed By :Christian Giraldo 06/15/2022
 Supervised By :Jagrut Upadhyay 06/15/2022

Quant Time: Jun 15 01:02:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 14:53:53 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.780	152	81350	20.000	ng	0.00	
21) Naphthalene-d8	8.063	136	283364	20.000	ng	# 0.00	
39) Acenaphthene-d10	9.815	164	137451	20.000	ng	-0.01	
64) Phenanthrene-d10	11.304	188	209219	20.000	ng	#-0.01	
76) Chrysene-d12	13.950	240	181160	20.000	ng	#-0.01	
86) Perylene-d12	15.403	264	164070	20.000	ng	-0.01	
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	501461	98.186	ng	0.00	
7) Phenol-d6	6.433	99	633492	101.614	ng	0.00	
23) Nitrobenzene-d5	7.345	82	437864	71.944	ng	0.00	
42) 2,4,6-Tribromophenol	10.609	330	128278	78.986	ng	-0.01	
45) 2-Fluorobiphenyl	9.139	172	745429	75.969	ng	0.00	
79) Terphenyl-d14	12.898	244	571733	54.839	ng	0.00	
Target Compounds							
71) Phenanthrene	11.327	178	61070	5.820	ng		Qvalue 99
72) Anthracene	11.380	178	20996	2.021	ng		99
75) Fluoranthene	12.521	202	198174	18.066	ng		96
78) Pyrene	12.751	202	217945	16.170	ng		97
81) Benzo(a)anthracene	13.939	228	138907	12.301	ng		97
83) Chrysene	13.974	228	117906	10.952	ng		98
87) Indeno(1,2,3-cd)pyrene	16.833	276	58698	5.936	ng	#	89
88) Benzo(b)fluoranthene	14.986	252	180095m	17.178	ng		
89) Benzo(k)fluoranthene	15.009	252	47362m	4.802	ng		
90) Benzo(a)pyrene	15.344	252	123977m	15.046	ng		
92) Benzo(g,h,i)perylene	17.274	276	53029m	6.523	ng		

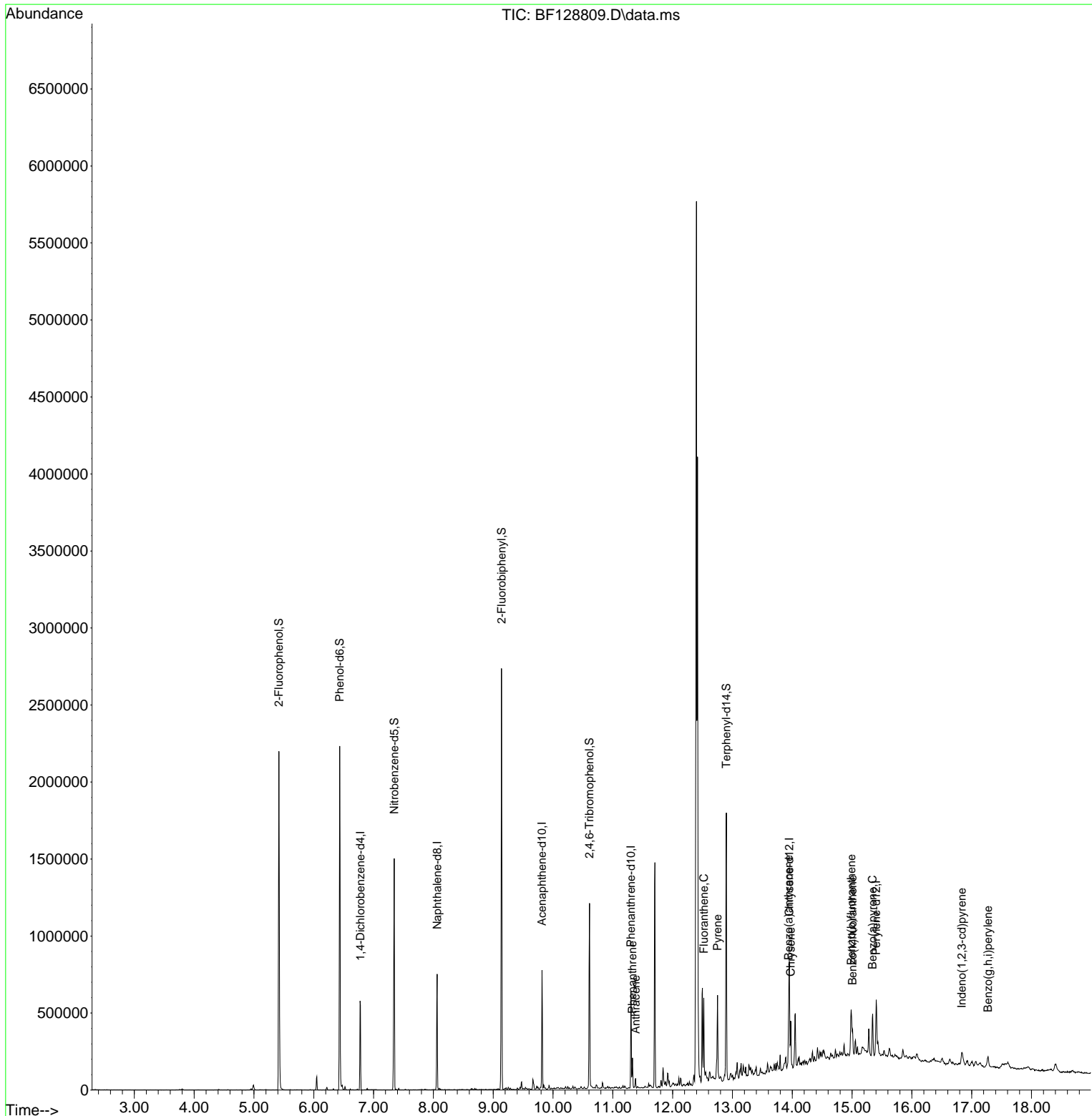
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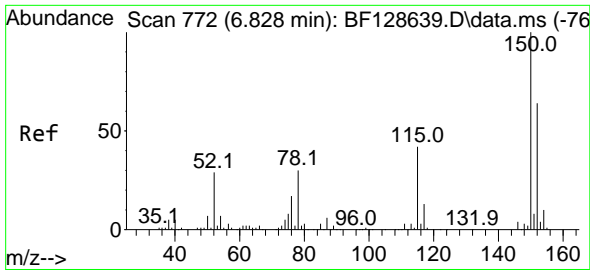
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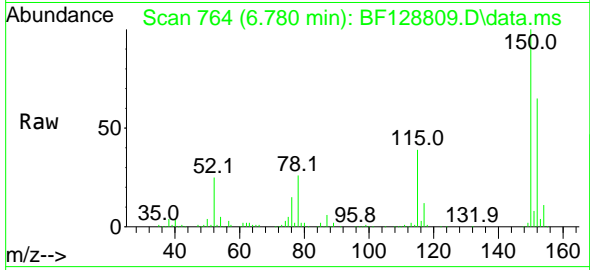
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.780 min Scan# 70
 Delta R.T. -0.001 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44

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BNA_F

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HD-02-061322

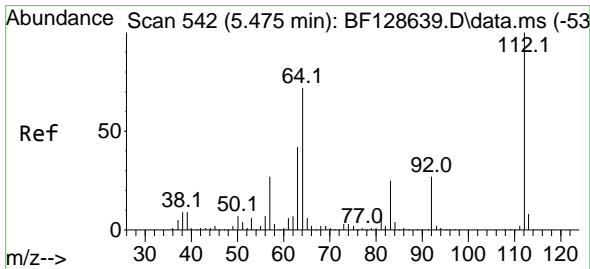
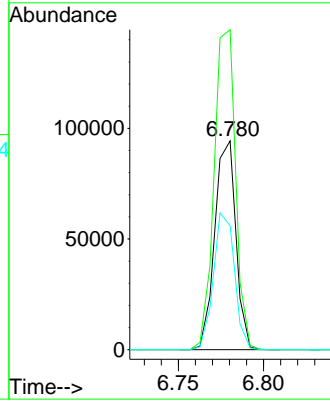
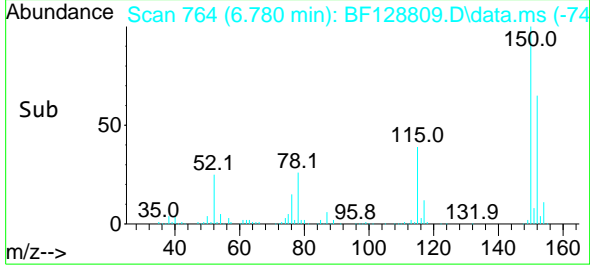


Tgt Ion:152 Resp: 81350
 Ion Ratio Lower Upper
 152 100
 150 153.3 123.7 185.5
 115 59.3 49.9 74.9

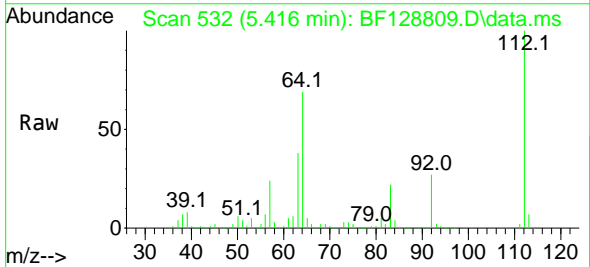
Manual Integrations

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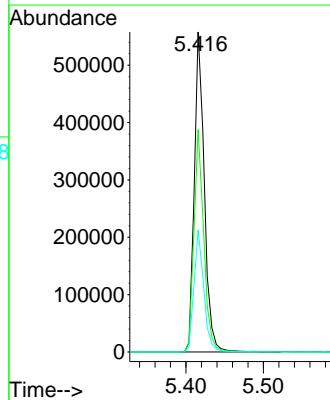
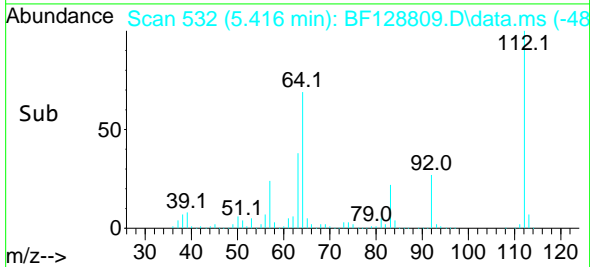
Reviewed By :Christian Giraldo 06/15/2022
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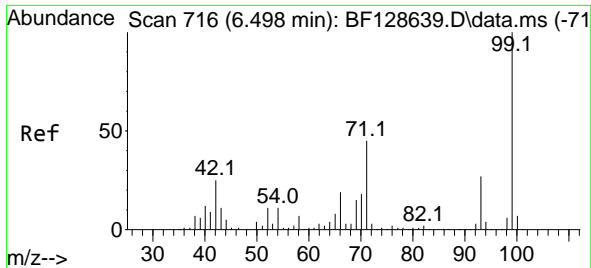


#5
 2-Fluorophenol
 Concen: 98.186 ng
 RT: 5.416 min Scan# 532
 Delta R.T. -0.000 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44



Tgt Ion:112 Resp: 501461
 Ion Ratio Lower Upper
 112 100
 64 69.5 53.3 79.9
 63 38.2 28.0 42.0





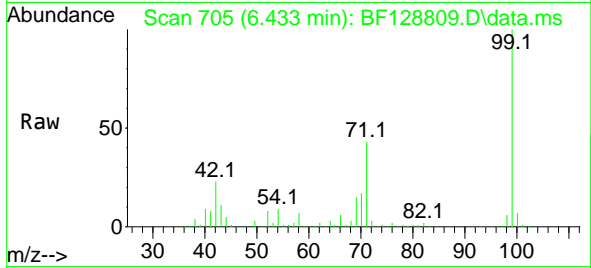
#7
 Phenol-d6
 Concen: 101.614 ng
 RT: 6.433 min Scan# 705
 Delta R.T. -0.006 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44

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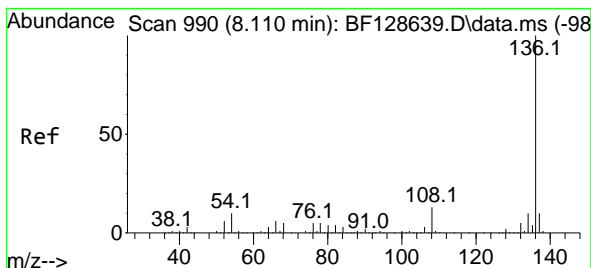
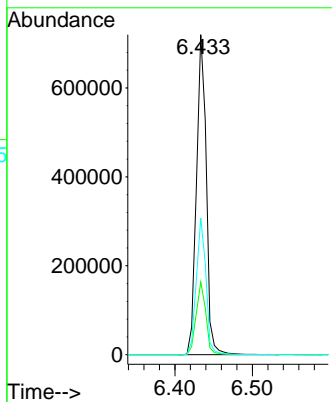
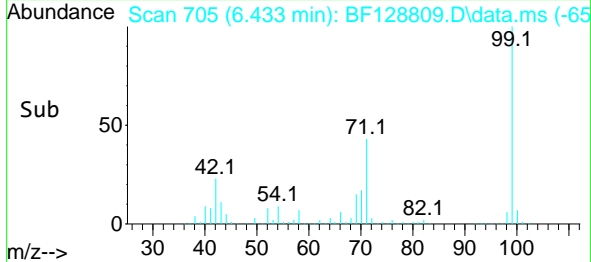


Tgt Ion: 99 Resp: 63349
 Ion Ratio Lower Upper
 99 100
 42 22.7 17.3 25.9
 71 42.7 28.9 43.3

Manual Integrations

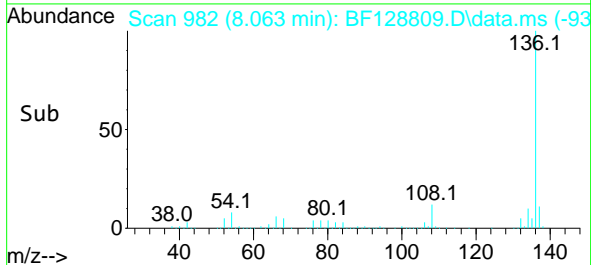
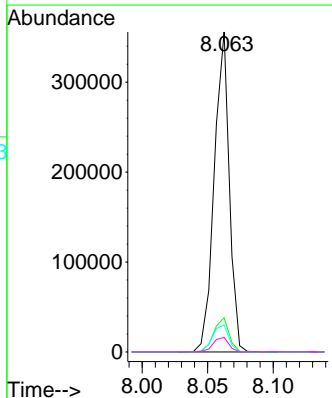
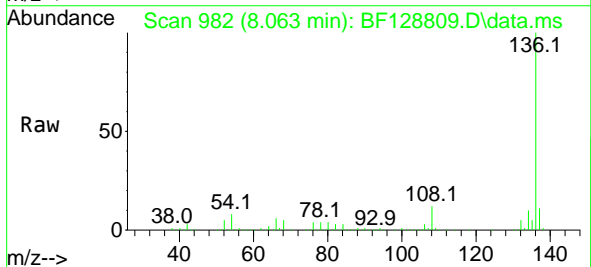
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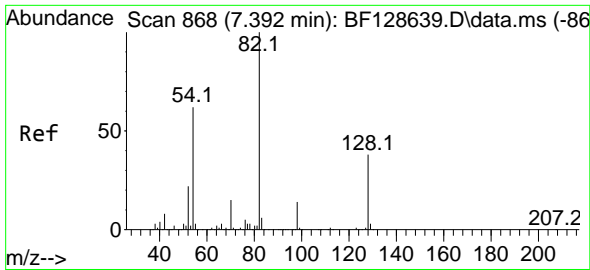
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#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.063 min Scan# 982
 Delta R.T. -0.006 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44

Tgt Ion:136 Resp: 283364
 Ion Ratio Lower Upper
 136 100
 137 10.6 8.8 13.2
 54 8.4 7.5 11.3
 68 4.5 4.7 7.1#





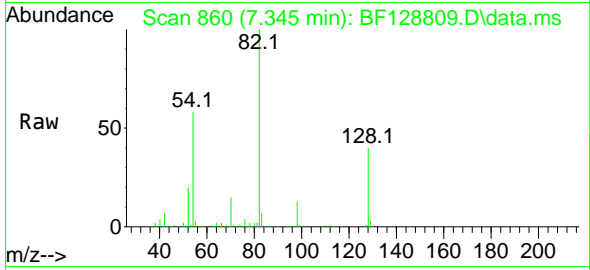
#23
 Nitrobenzene-d5
 Concen: 71.944 ng
 RT: 7.345 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44

Instrument :

BNA_F

Client Sample Id :

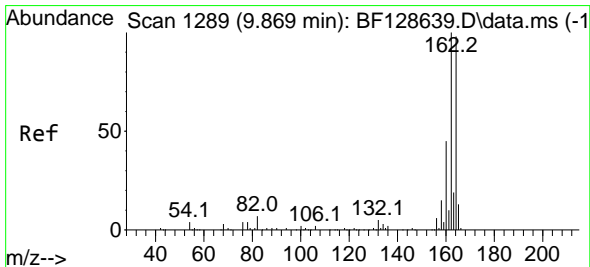
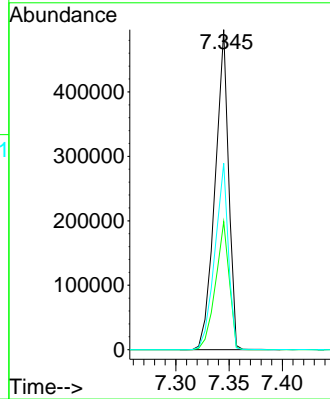
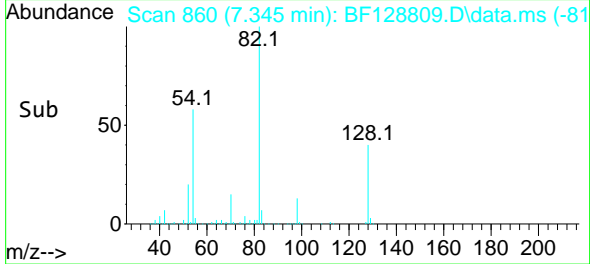
HD-02-061322



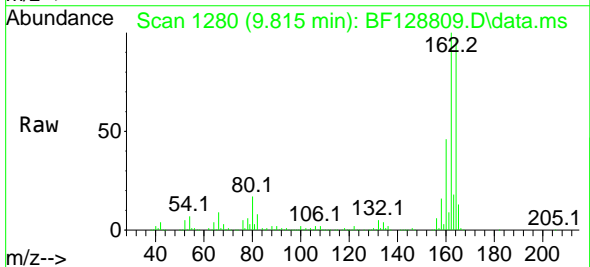
Tgt Ion: 82 Resp: 437864
 Ion Ratio Lower Upper
 82 100
 128 40.0 34.0 51.0
 54 58.3 46.9 70.3

Manual Integrations
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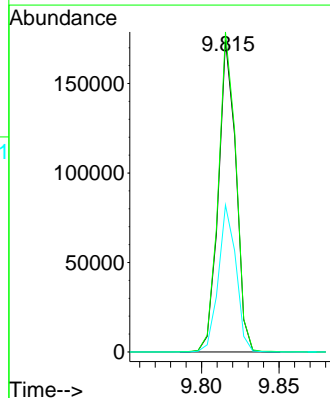
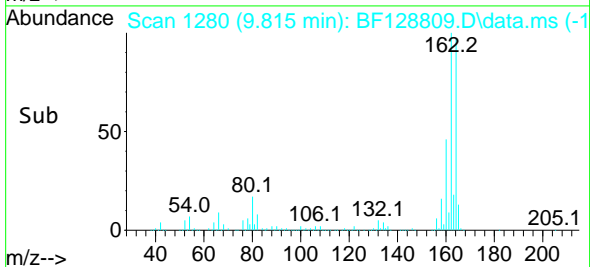
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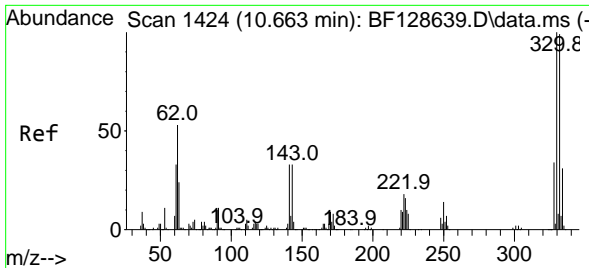


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.815 min Scan# 1280
 Delta R.T. -0.012 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44



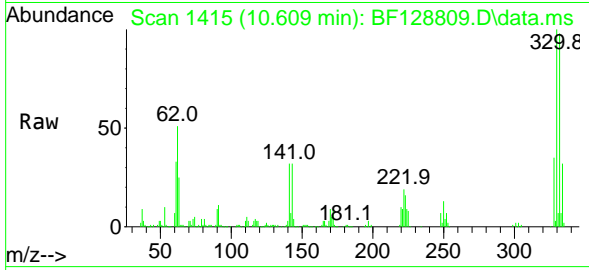
Tgt Ion:164 Resp: 137451
 Ion Ratio Lower Upper
 164 100
 162 102.7 79.5 119.3
 160 47.1 34.2 51.4





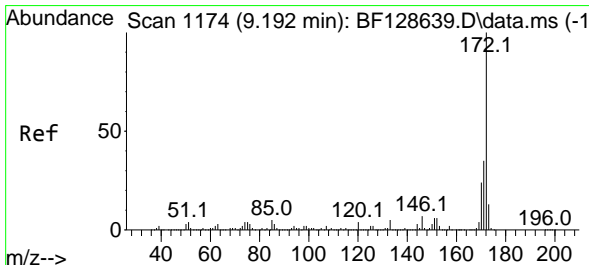
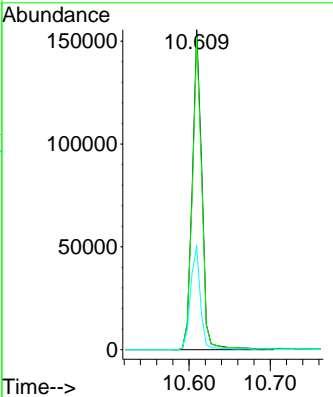
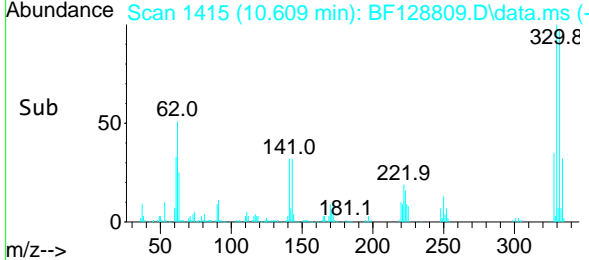
#42
 2,4,6-Tribromophenol
 Concen: 78.986 ng
 RT: 10.609 min Scan# 1415
 Delta R.T. -0.012 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44

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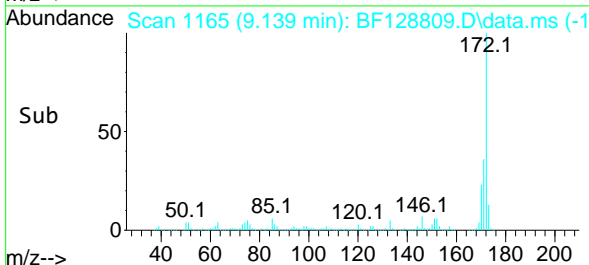
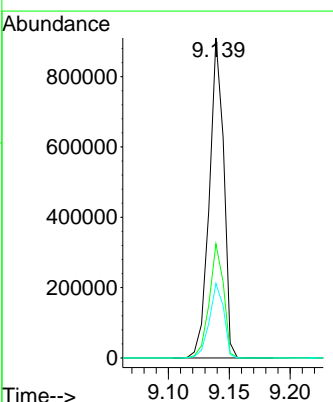
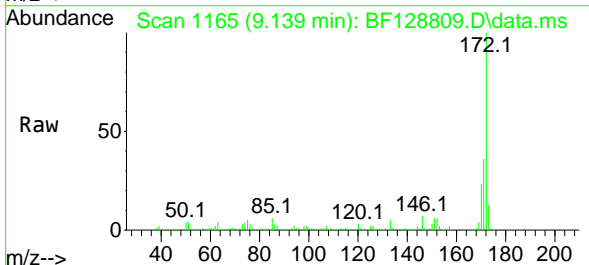
Tgt Ion: 330 Resp: 128278
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.8 115.2
 141 33.5 28.0 42.0

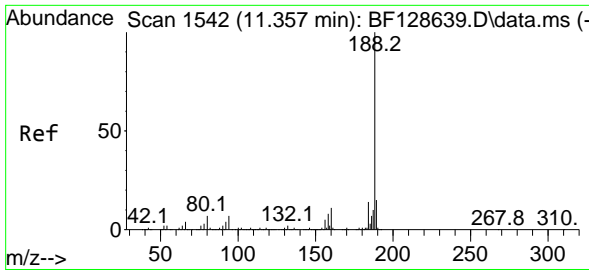
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#45
 2-Fluorobiphenyl
 Concen: 75.969 ng
 RT: 9.139 min Scan# 1165
 Delta R.T. -0.006 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44

Tgt Ion: 172 Resp: 745429
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.8 43.2
 170 23.3 19.8 29.8





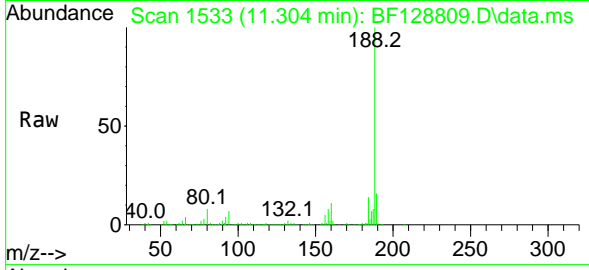
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.304 min Scan# 1533
 Delta R.T. -0.012 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44

Instrument :

BNA_F

Client Sample Id :

HD-02-061322

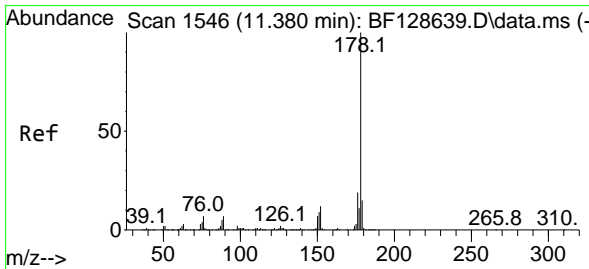
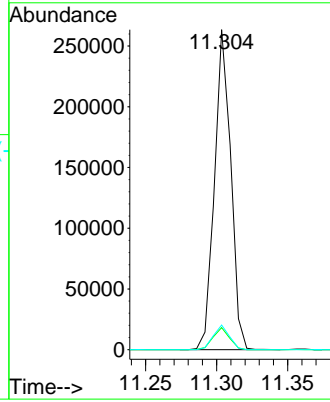
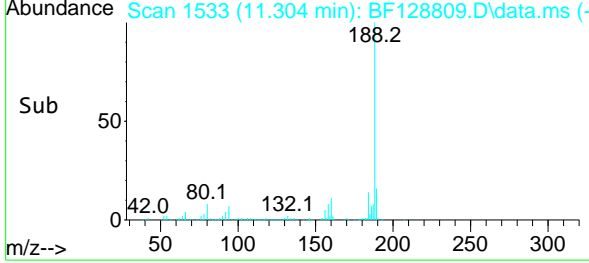


Tgt Ion:188 Resp: 209219
 Ion Ratio Lower Upper
 188 100
 94 6.9 7.0 10.6
 80 7.7 7.6 11.4

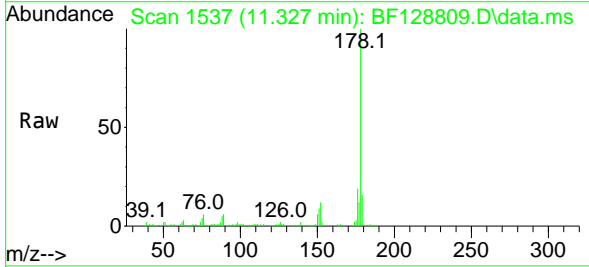
Manual Integrations

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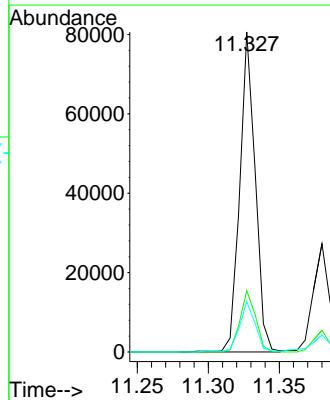
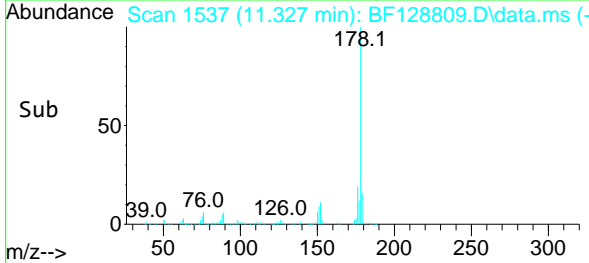
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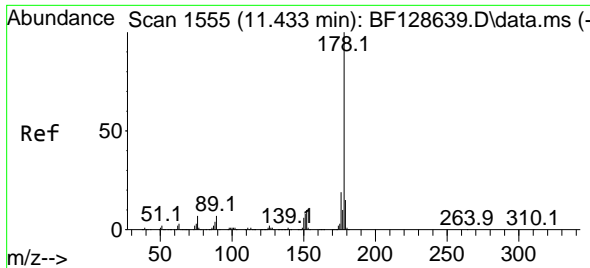


#71
 Phenanthrene
 Concen: 5.820 ng
 RT: 11.327 min Scan# 1537
 Delta R.T. -0.012 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44



Tgt Ion:178 Resp: 61070
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.0 24.0
 179 15.7 12.6 19.0





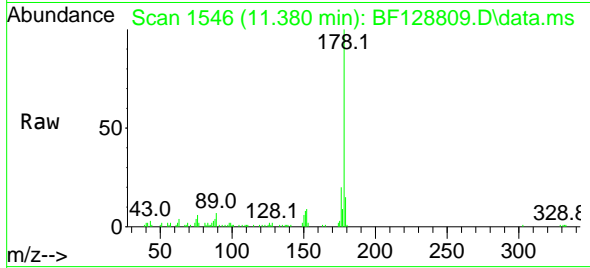
#72
 Anthracene
 Concen: 2.021 ng
 RT: 11.380 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44

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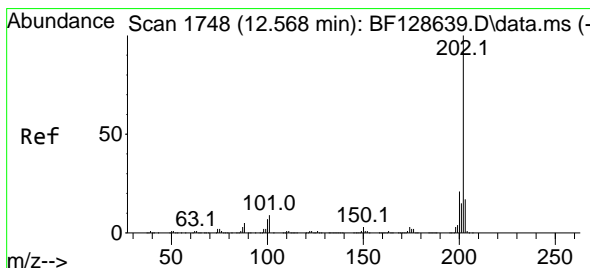
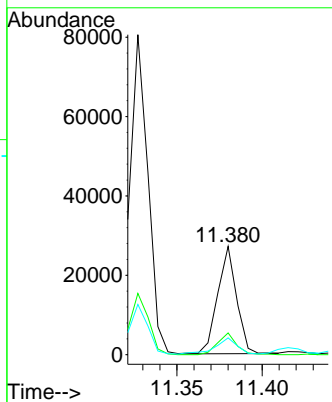
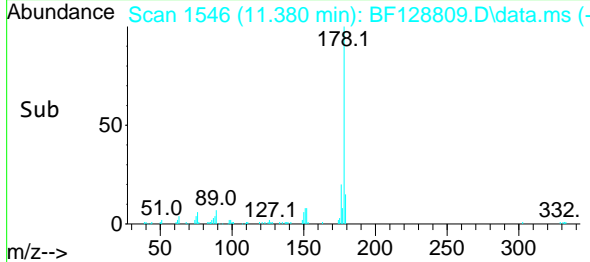


Tgt Ion:178 Resp: 20990
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.4 23.2
 179 15.5 12.6 19.0

Manual Integrations

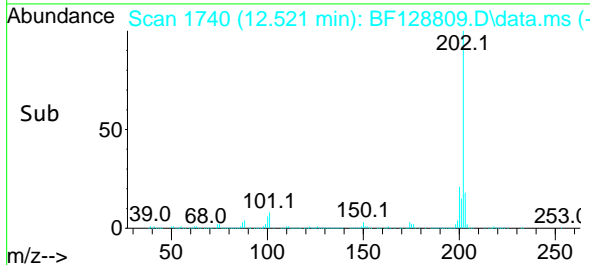
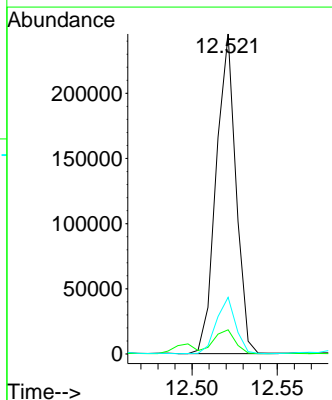
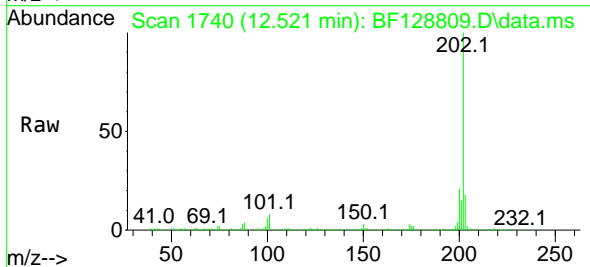
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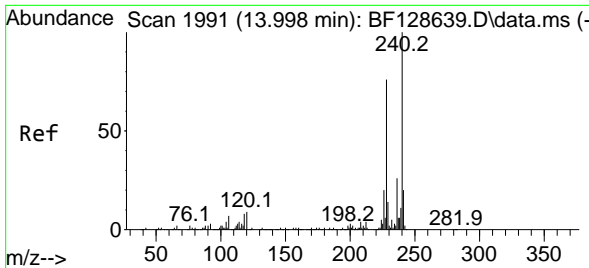
Reviewed By :Christian Giraldo 06/15/2022
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#75
 Fluoranthene
 Concen: 18.066 ng
 RT: 12.521 min Scan# 1740
 Delta R.T. -0.006 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44

Tgt Ion:202 Resp: 198174
 Ion Ratio Lower Upper
 202 100
 101 7.6 0.0 31.4
 203 17.7 0.0 38.0





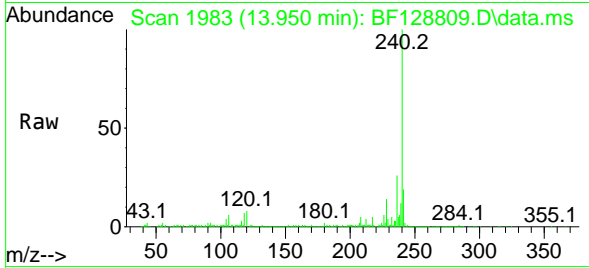
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.950 min Scan# 1991
 Delta R.T. -0.012 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44

Instrument :

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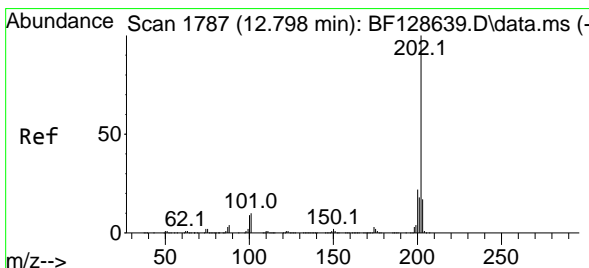
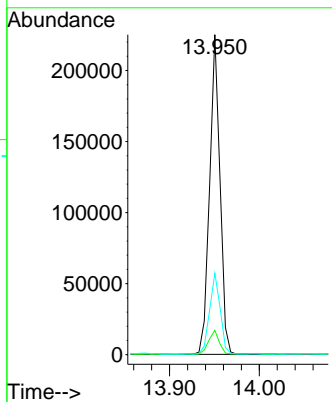
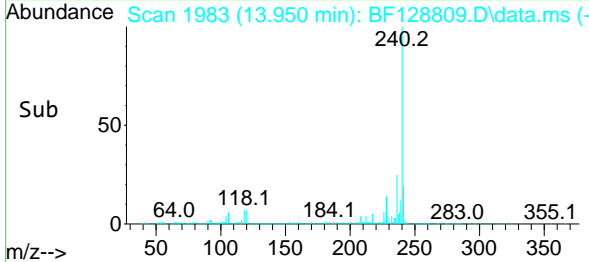


Tgt Ion:240 Resp: 181160
 Ion Ratio Lower Upper
 240 100
 120 7.6 8.9 13.3
 236 25.5 20.8 31.2

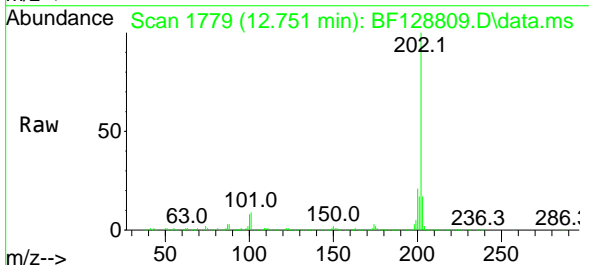
Manual Integrations

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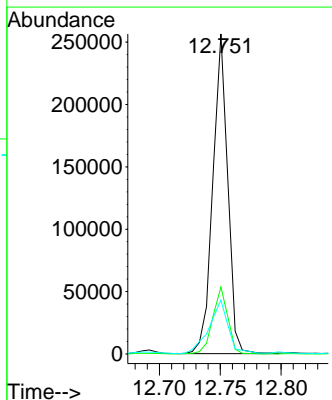
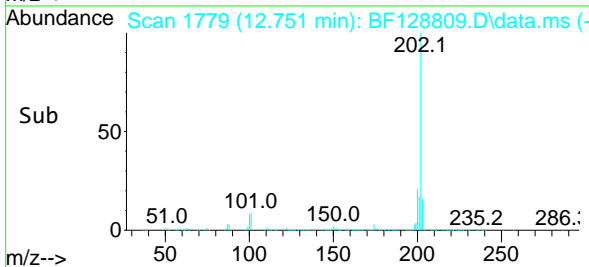
Reviewed By :Christian Giraldo 06/15/2022
 Supervised By :Jagrut Upadhyay 06/15/2022

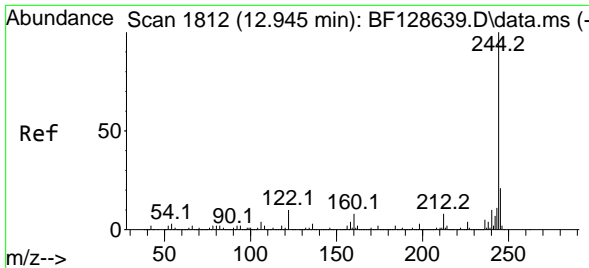


#78
 Pyrene
 Concen: 16.170 ng
 RT: 12.751 min Scan# 1779
 Delta R.T. -0.006 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44



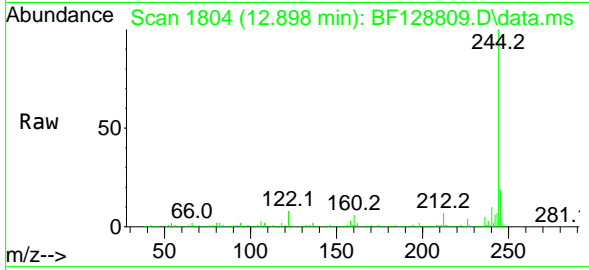
Tgt Ion:202 Resp: 217945
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.7 26.5
 203 16.8 14.6 21.8





#79
 Terphenyl-d14
 Concen: 54.839 ng
 RT: 12.898 min Scan# 1812
 Delta R.T. -0.006 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44

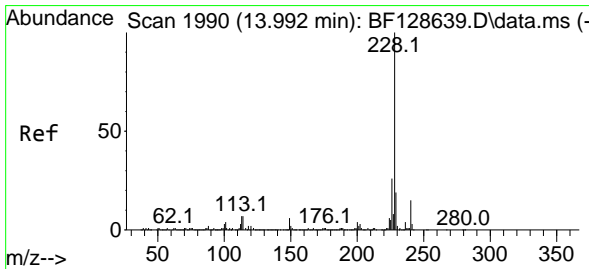
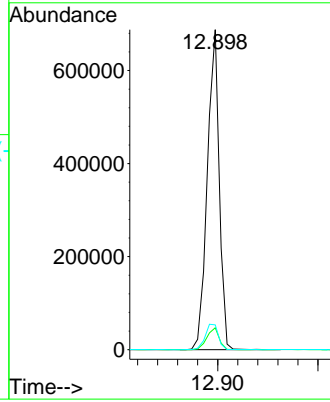
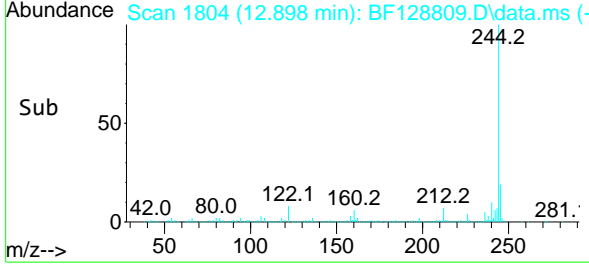
Instrument : BNA_F
 Client Sample Id : HD-02-061322



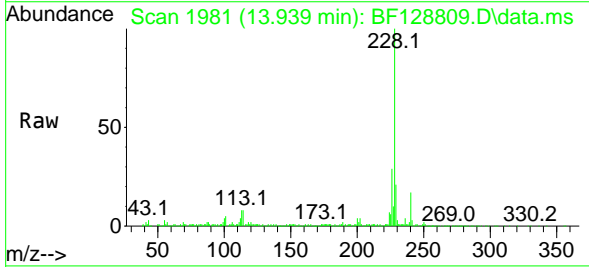
Tgt Ion: 244 Resp: 57173
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 7.7 8.8 13.2

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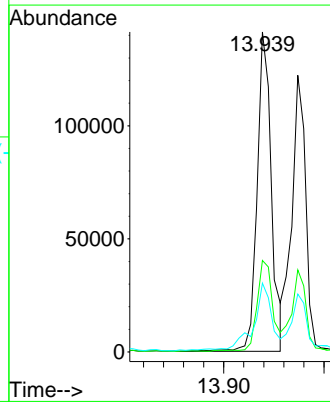
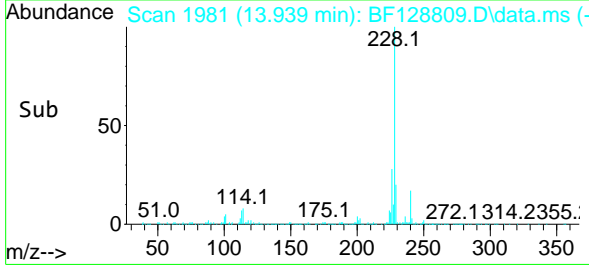
Reviewed By : Christian Giraldo 06/15/2022
 Supervised By : Jagrut Upadhyay 06/15/2022

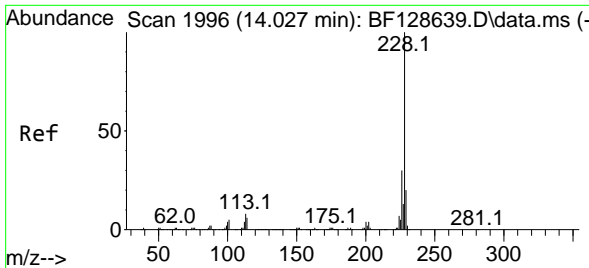


#81
 Benzo(a)anthracene
 Concen: 12.301 ng
 RT: 13.939 min Scan# 1981
 Delta R.T. -0.012 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44



Tgt Ion: 228 Resp: 138907
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.1 33.1
 229 21.5 15.8 23.8





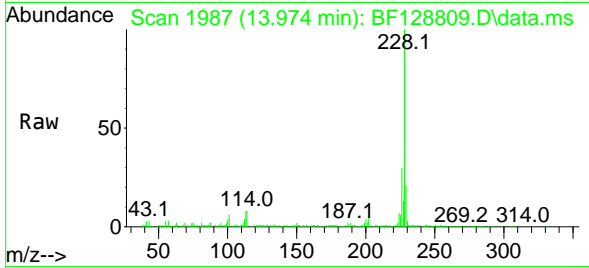
#83
 Chrysene
 Concen: 10.952 ng
 RT: 13.974 min Scan# 1996
 Delta R.T. -0.018 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44

Instrument :

BNA_F

Client Sample Id :

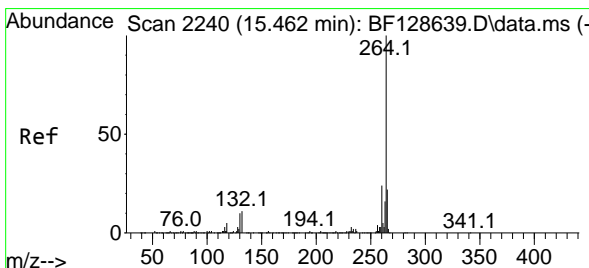
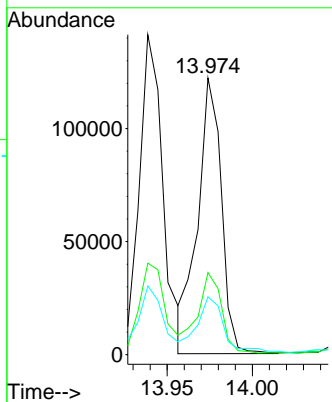
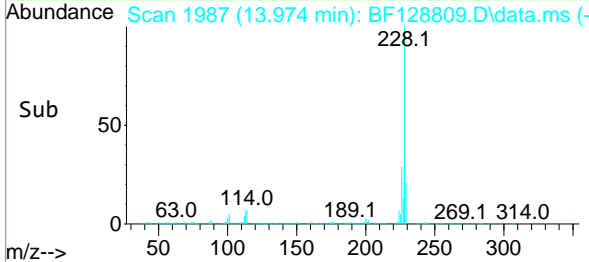
HD-02-061322



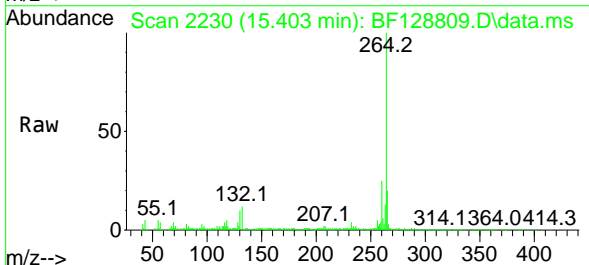
Tgt Ion:228 Resp: 117900
 Ion Ratio Lower Upper
 228 100
 226 29.7 24.3 36.5
 229 21.0 15.9 23.9

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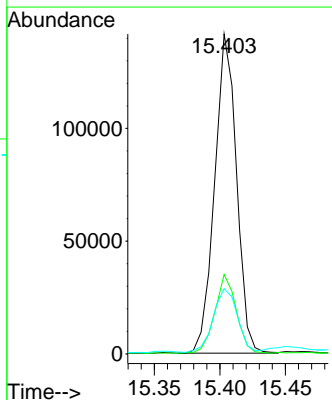
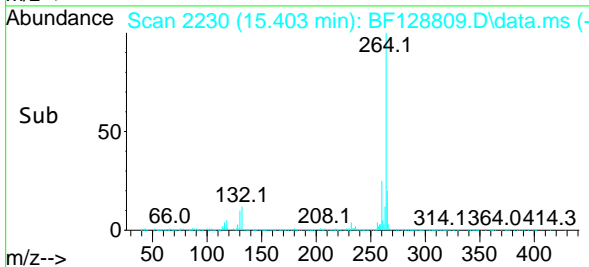
Reviewed By :Christian Giraldo 06/15/2022
 Supervised By :Jagrut Upadhyay 06/15/2022

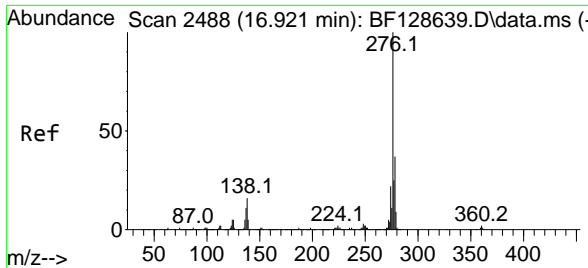


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.403 min Scan# 2230
 Delta R.T. -0.012 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44



Tgt Ion:264 Resp: 164070
 Ion Ratio Lower Upper
 264 100
 260 24.9 18.4 27.6
 265 20.4 17.2 25.8





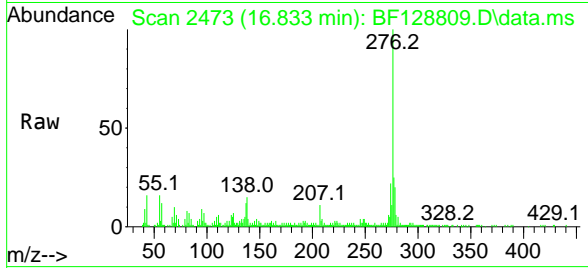
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.936 ng
 RT: 16.833 min Scan# 24
 Delta R.T. -0.030 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44

Instrument :

BNA_F

Client Sample Id :

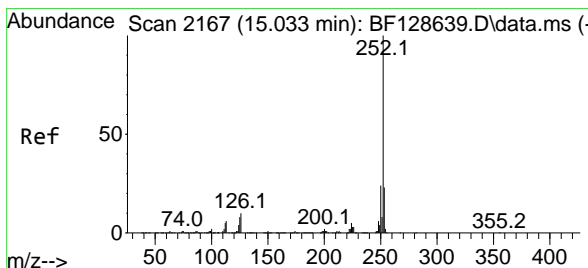
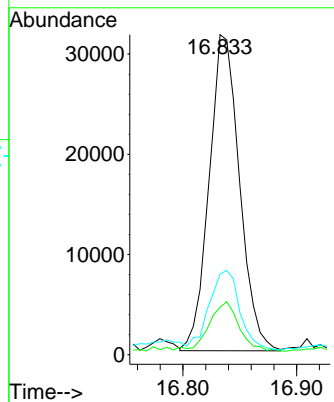
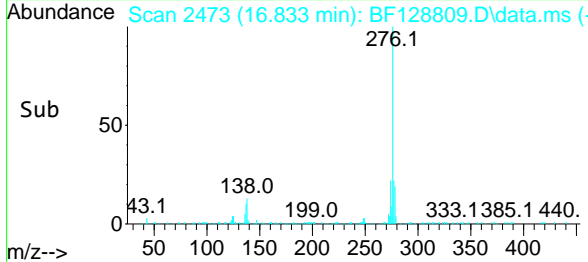
HD-02-061322



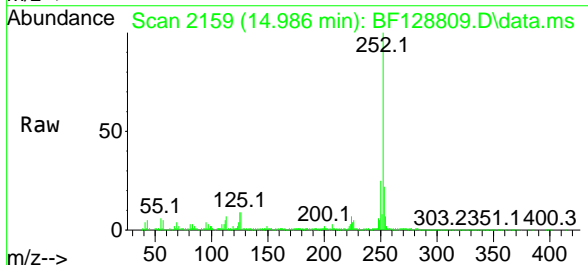
Tgt Ion: 276 Resp: 58698
 Ion Ratio Lower Upper
 276 100
 138 15.5 21.1 31.7
 277 25.1 20.3 30.5

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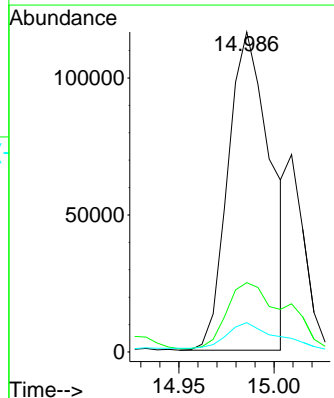
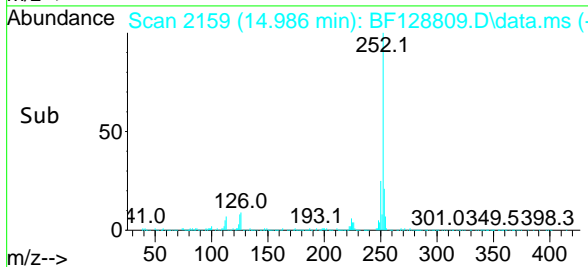
Reviewed By : Christian Giraldo 06/15/2022
 Supervised By : Jagrut Upadhyay 06/15/2022

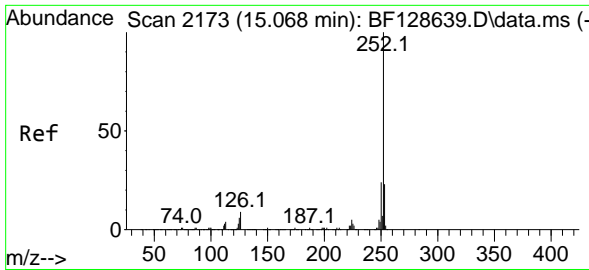


#88
 Benzo(b)fluoranthene
 Concen: 17.178 ng m
 RT: 14.986 min Scan# 2159
 Delta R.T. -0.006 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44



Tgt Ion: 252 Resp: 180095
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.7 26.5
 125 9.1 8.0 12.0





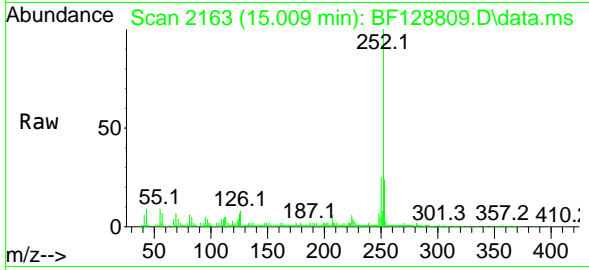
#89
 Benzo(k)fluoranthene
 Concen: 4.802 ng m
 RT: 15.009 min Scan# 2173
 Delta R.T. -0.018 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44

Instrument :

BNA_F

Client Sample Id :

HD-02-061322

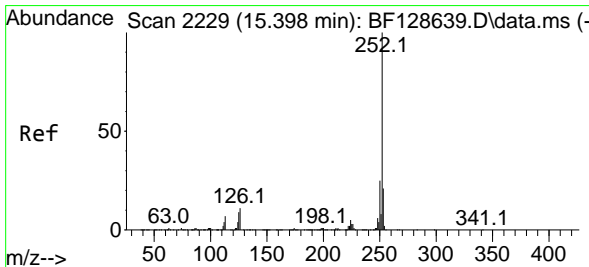
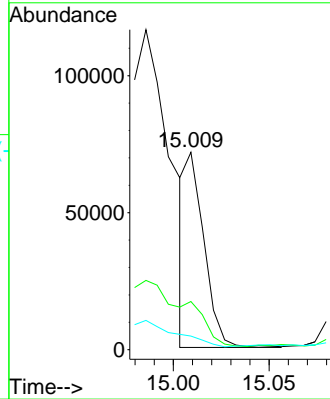
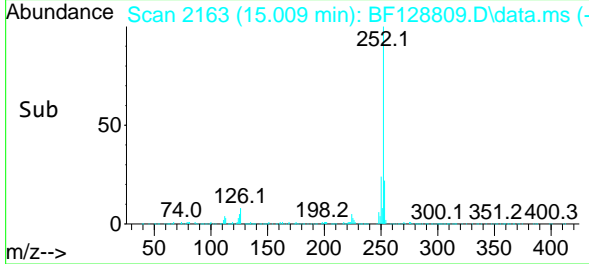


Tgt Ion: 252 Resp: 47362
 Ion Ratio Lower Upper
 252 100
 253 24.4 17.8 26.6
 125 6.9 8.3 12.5

Manual Integrations

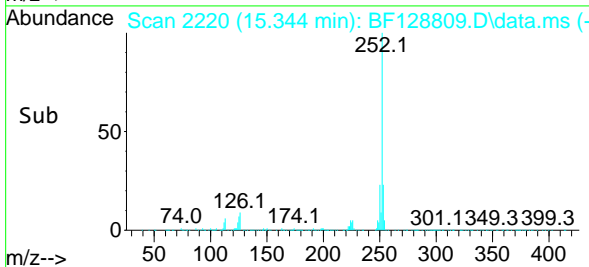
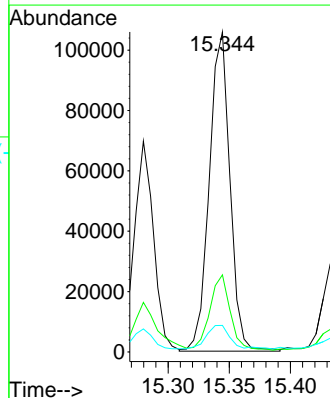
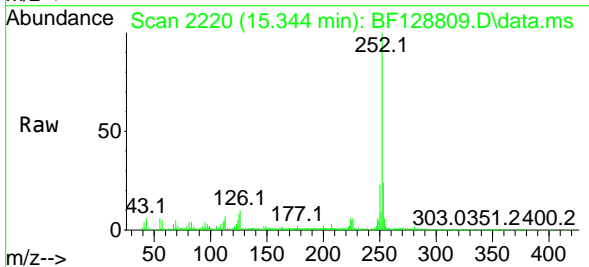
APPROVED

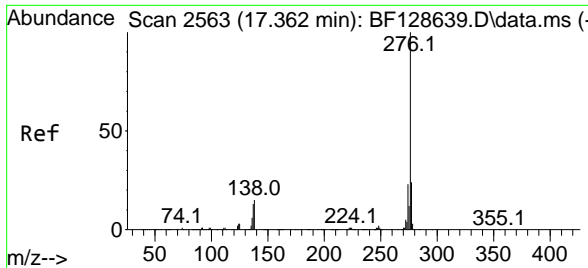
Reviewed By : Christian Giraldo 06/15/2022
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#90
 Benzo(a)pyrene
 Concen: 15.046 ng m
 RT: 15.344 min Scan# 2220
 Delta R.T. -0.012 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44

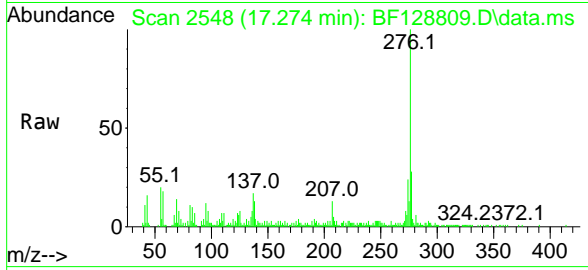
Tgt Ion: 252 Resp: 123977
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.0 25.6
 125 8.3 8.8 13.2#





#92
 Benzo(g,h,i)perylene
 Concen: 6.523 ng m
 RT: 17.274 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BF128809.D
 Acq: 14 Jun 2022 19:44

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-061322



Tgt Ion: 276 Resp: 53029

Ion	Ratio	Lower	Upper
276	100		
277	28.0	19.1	28.7
138	12.7	18.0	27.0

Manual Integrations
APPROVED
 Reviewed By : Christian Giraldo 06/15/2022
 Supervised By : Jagrut Upadhyay 06/15/2022

